CCπ^0 update
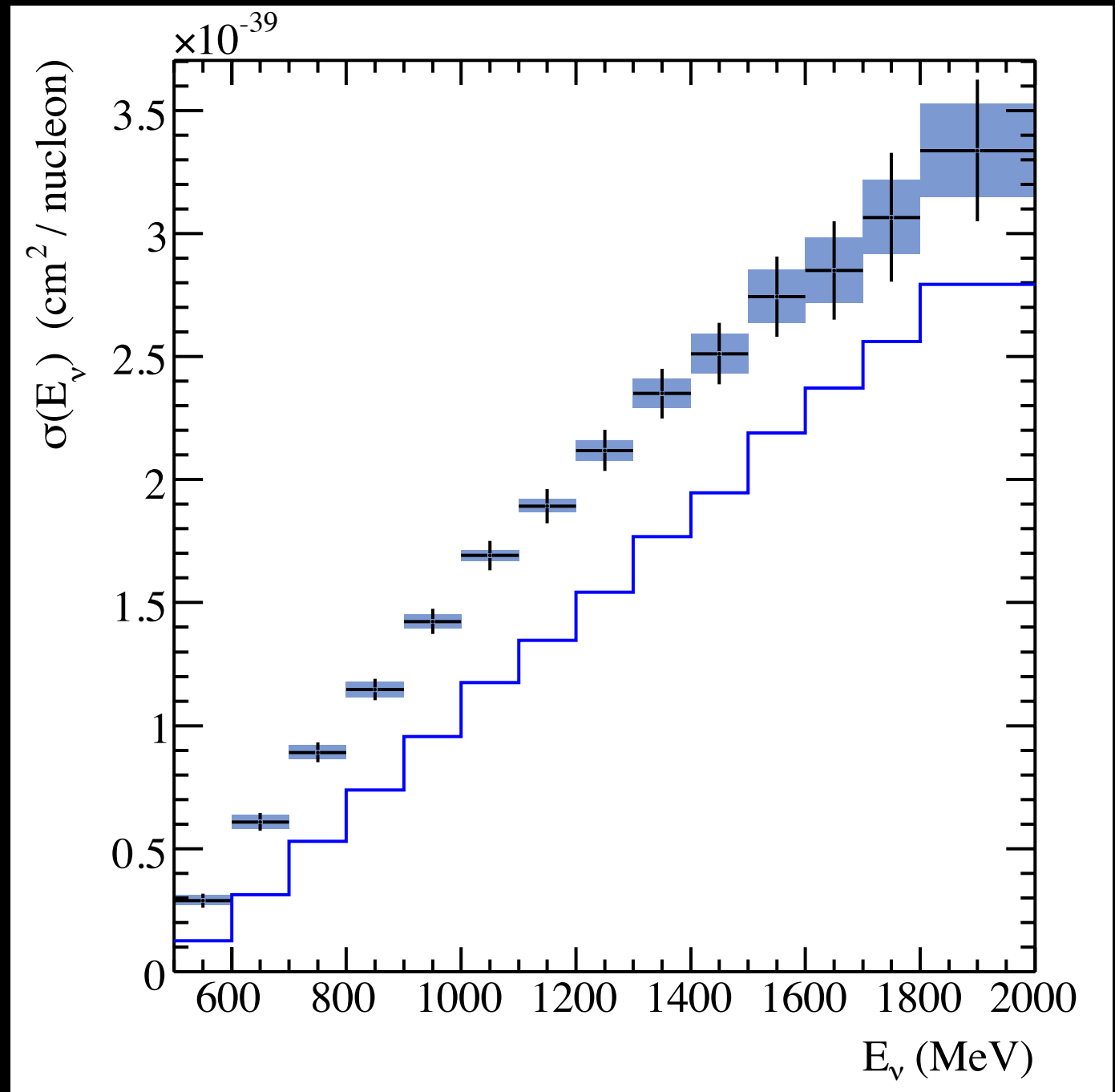
Robert Nelson
2009.10.20

Fixed OM

- I used the same true dist for all OM multisim files to pull out the nuclear cex/abs.

- I increased the yield of OM multisim files.

- I still need to regenerate the ones that are missing.

- However, I don't expect that to really change the error much because we sample most of the space.

Cross-section with most sources of errors

- Errors are ordered from largest to smallest with each error added in quadrature to all errors smaller than it.

- I include everything but qtcor and disc errors. Since I don't expect those to be dominate I don't think the total error will change by more than a few percent.

- At the moment there is something fishy with the cex/abs errors, they appear to be 100% errors on the background.
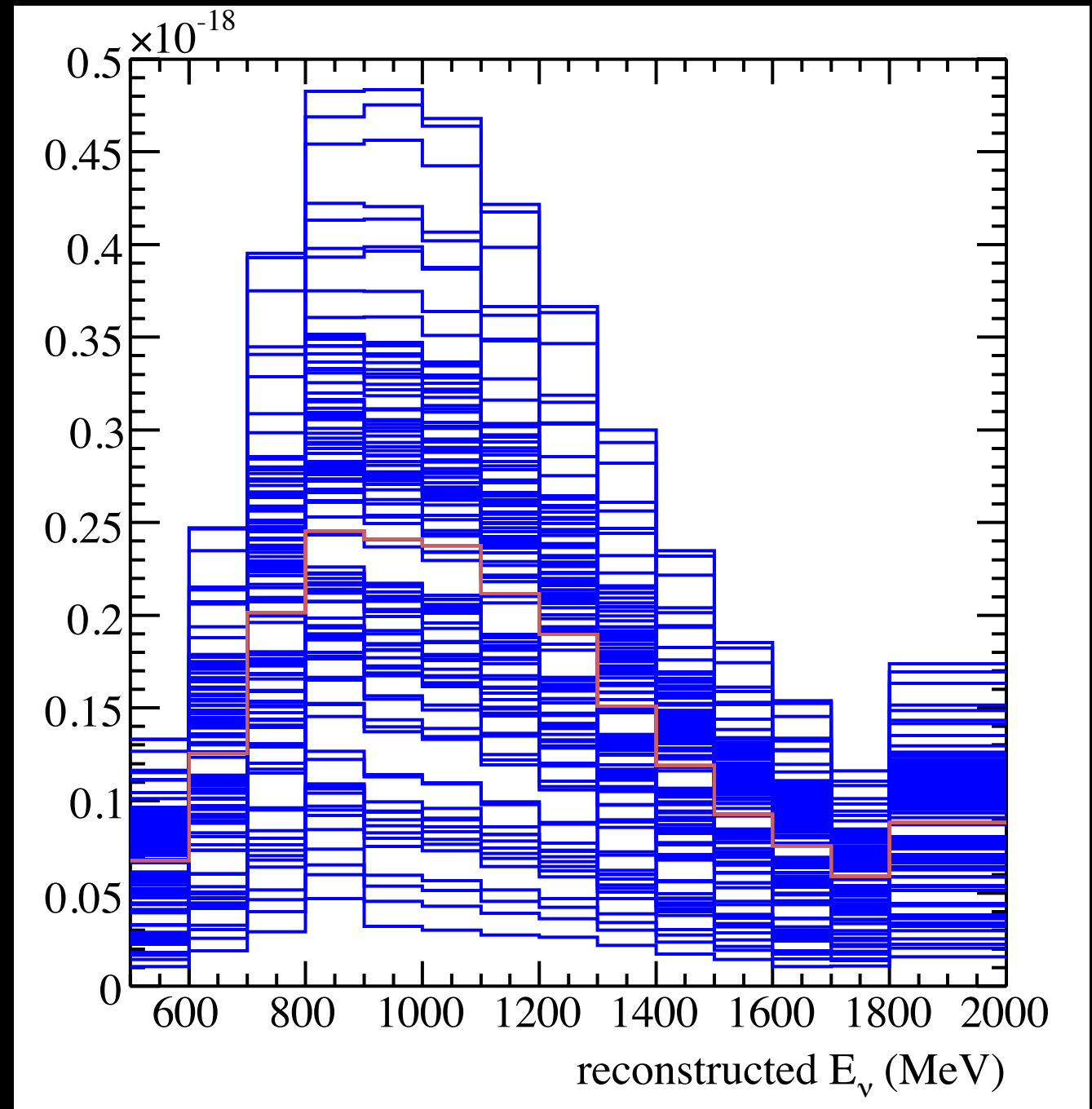
  - Some bug I'll have to find.
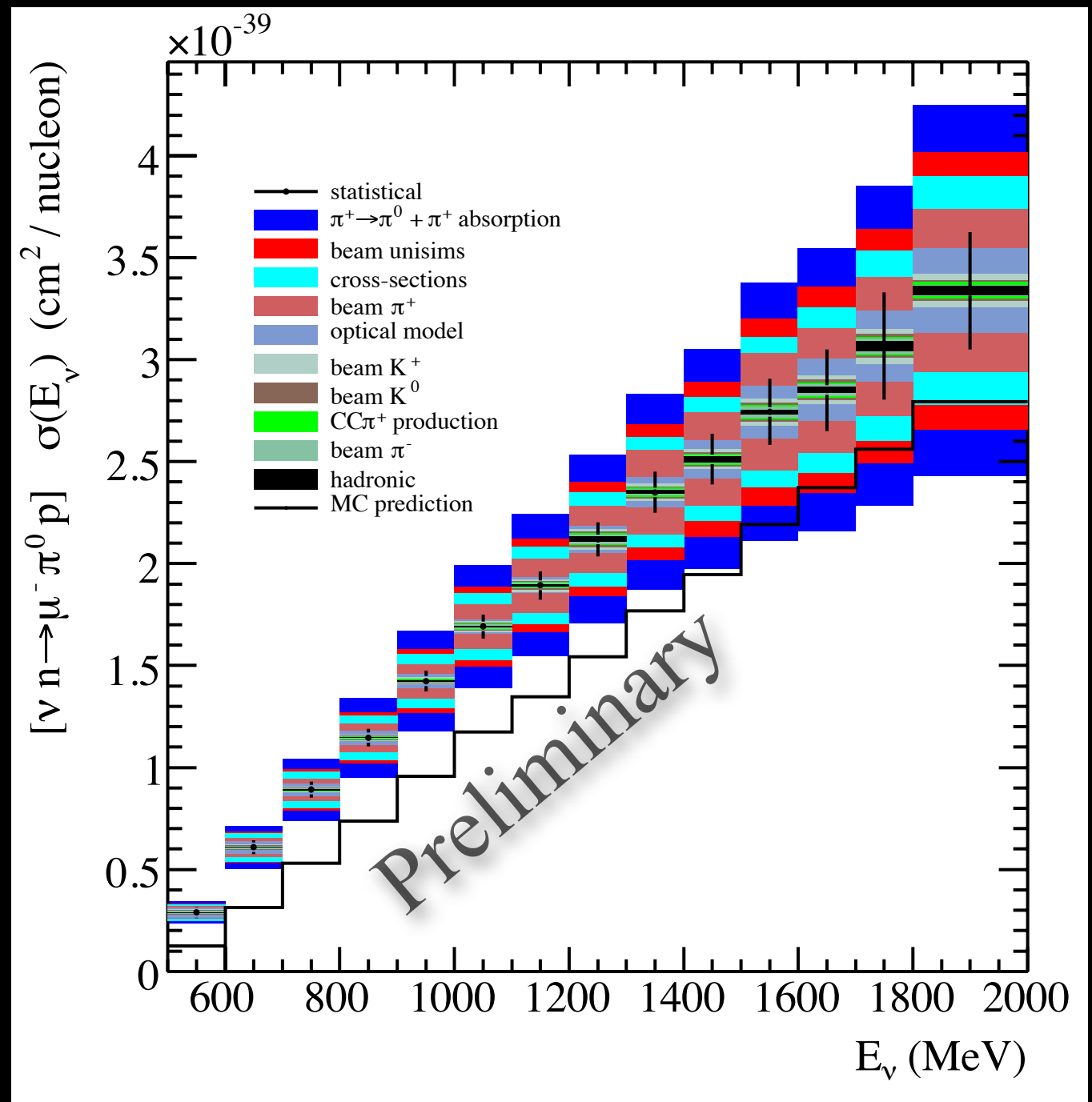
Cross-section relative errors
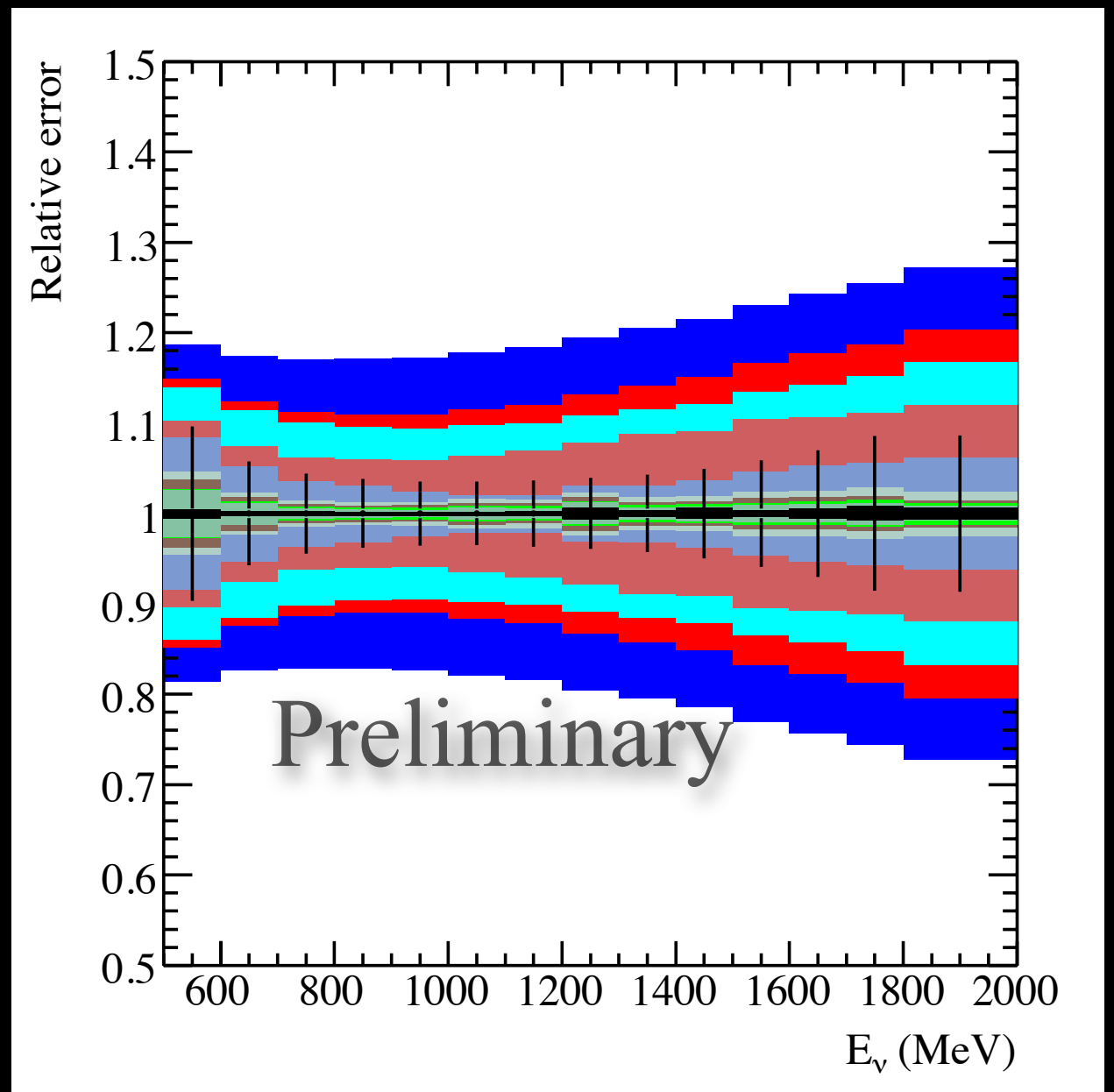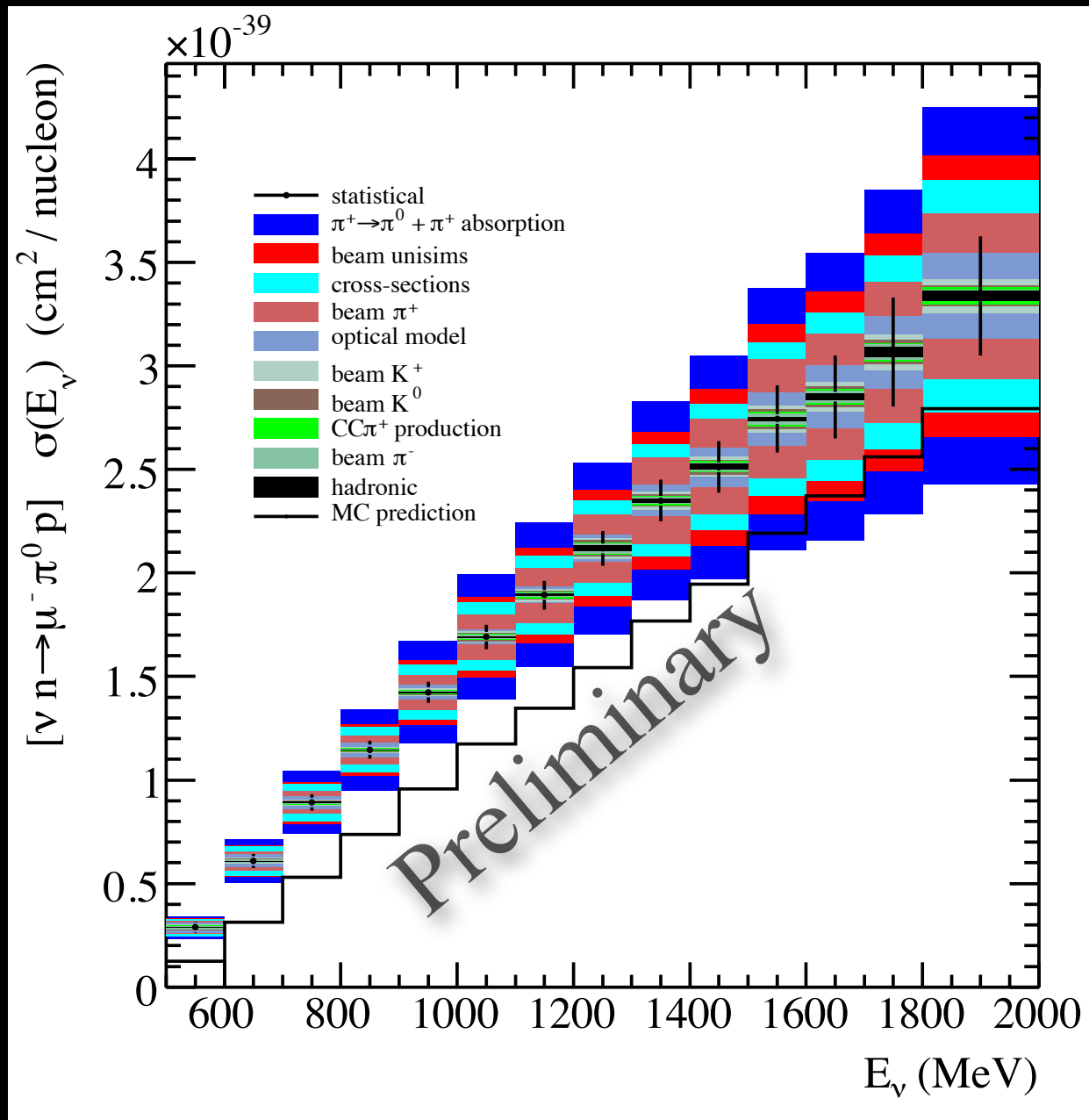
Something went horribly wrong here

- Somehow the cex/abs excursions on the CCπ⁺ background went crazy.

- It should not look like this.

  - known bug.

- At least we know the effect of 100% excursion.

- I'm confident about all other errors.

To do

- Run the QTcor and DISC unisims.

- Clean up the corrupted/missing OM files.

- Fix the cex/abs bug.